

PRODUCT INFORMATION	TYPE OF PRODUCT	Commercial lighting fixtures
	COMPANY NAME	Litecontrol
	PRODUCT/COLLECTION NAME	LC-93 & Lc-94
	DESCRIPTION	An indirect/direct fixture for schools and other applications. Have a minimize visual weight, flexible to meet different needs, reduces maintenance cost, easy access to wireway.
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Aluminum, steel, aircraft cable
	RECYCLED CONTENT %	Aluminum, steel
	RAPIDLY RENEWABLE CONTENT %	
	HARMFUL ADDITIVES	None
	HARMFUL EMISSIONS	None
	EMISSION STRENGTH OVER TIME	
	TREATMENTS	
MANUFACTURING	MANUFACTURING PROCESS	
	HARMFUL EMISSIONS	None
	LOCATION OF MANUF. PLANT	MA
	TESTS/CODES	
	3RD PARTY CERTIFICATION	Cradle to Cradle certification Silver
INSTALLATION	INSTALLATION PROCEDURE	<p>A) Locate pendants (stems or aircraft cables) along a straight line in ceiling per dimensions. B) Peel back foam wrapping from both ends of fixture. Remove a 5/8" KO in support bracket for wire feed if aircraft cables are being used to hang fixture or feed may be run inside stems with they are used. C) Slide a Thread Cover onto stems and thread a locknut. Washer and a flat strap onto stem or cable stud and slide strap underneath support bracket. Loosely fasten strap under slot in bracket with (1) *8-32" long machine screw. Repeat this step at opposite end of fixture. See View A. D) Lift fixture up and mount pendant to ceiling F) Level fixture up or down by threading stems or cable studs into flat straps. Level fixture horizontally by sliding flat straps from side to side. Tighten all locknuts and 8-32 machine screws after fixture are level. 2C) Remove a 5/8" KO in support bracket for wire feed if aircraft cables are being used to hang fixtures. Feed may run inside stems when they are used. D) At opposite end of this fixture, loosely mount a flat strap underneath the support bracket with (1) 8-32 x 3/8" long machine screw as shown in View B. Slide a Thread Cover, washer and locknut onto pendant and thread pendant into flat strap. Position flat strap so that it projects out end of fixture. E) Insert (2) dowel pins (found in polybag) into ends of housing so that half of pin extends out end of fixture. F) Lift fixture up and mount pendants to ceiling. G) Attach a flat strap. Thread cover, washer, locknut, down pins and pendant to one end of the 2nd fixture in this row per step D & E. H) Slide the open end of this fixture into dowel pins and onto flat strap of the first fixture and mount pendant end to ceiling grasp pendant and rotate flat strap until diagonal mounting hole aligns underneath support bracket slot of 2nd fixture. Secure with (1) *8-32 machine screw. J) Loosely bolt fixtures together at row joint with (2) 1/4-20 machine screws (found in (polybag). Level fixtures up or down by threading stems or cable studs into flat straps: level fixtures horizontally by sliding flat straps from side to side. K) Repeat steps G, H and J for each additional fixture in row. Level row and align seams at each joint before tightening all screws and nuts. 3. At each row joint, make wiring connections between fixtures and push wiring back into fixture wireway. 4. Mount an End cap at each end of row per step 1E. 5. Remove all foam wrapping material from fixtures. Baffle installation</p> <p>A) Baffles are shipped in a protective plastic bag to keep them free from dirt during installation of fixtures and should be left on until installation. B) Baffle is attached to (2) safety tethers and then swung up into fixture opening until spring clips on baffle rails snap into bottom of fixture. 7. Raise and secure all pendant canopies. 8. Install lamps (by others) and clean exterior surfaces of fixture(s) with a general window cleaner.</p>

	INSTALLATION ADHESIVES	None
	UNIT COST	
	LIFE CYCLE ANALYSIS	Cradle to Cradle
	END OF SERVICE LIFE	Recycled
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	Cradle to Cradle Certification rates products by five criteria: 1) the environmental and human health implications of the materials used in the products; 2) the considerations for material reutilization in the design of the products; 3) the energy-efficiency and the use of renewable energy in the manufacturing of the product; 4) the efficient use of water associated with manufacturing of the product; and 5) the implementation of socially responsible policies by the manufacturer.
	MISC. COMMENTS	65% indirect 35% direct wit 90% efficiencies for every illuminates levels a controlled luminance.
	CONTRIBUTION TO LEED POINTS	While the LEED rating systems have become an important part of sustainable design practices today, those systems do not directly address the materials and processes used by manufacturers of building products. Furthermore, although the LEED ratings do address the recycled content of some building materials, electrical equipment (including lighting) is not permitted to be included in the determination of LEED credits for recycled content.
COMPANY PROFILE	GREEN PHILOSOPHY	Litecontrol continues to develop products to meet increasingly demanding environmental standards and practices. For energy-sensitive lighting applications (as they all are now), we can offer the broadest range of highly efficient solutions in the marketplace. In a quest to make lighting more efficient, we are constantly employing new materials and technologies in our fixture designs, researching trends and techniques, and involved in industry and academic initiatives on sustainability.
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MAINTENANCE	AFTER INSTALLATION	Clean with soap and water, dust periodically